

Amended claims

1. An antiviral substance on the basis of hemolymph of insects of subclass Pterigota, wherein said substance being obtained by activating the immune system of insects, collecting hemolymph, and further processing the obtained hemolymph by centrifugation, chromatography of supernatant, elution of hydrophobic components sorbed on column, the obtained eluate comprising a mixture of hydrophobic components possessing antiviral activity.

2. The antiviral substance of claim 1, wherein said immune system being activated by puncturing cuticle with a needle wetted with a suspension of heat-killed bacteria, e.g., *Escherichia coli* and *Micrococcus luteus*.

3. The antiviral substance of claim 1, wherein said chromatography of supernatant being performed on a column with sorbent C18 by eluting hydrophobic components sorbed on column by 50 % acetonitrile.

4. The antiviral substance of claim 1, wherein species of Odonata order are used as insects of Pterigota subclass.

5. The antiviral substance of claim 2, wherein species of Aeschnidae family are used as insects of Odonata order.

6. The antiviral substance of claim 3, wherein dragonflies of *Aeschna* genus are used as insects of Aeschnidae family.

7. The antiviral substance of claim 2, wherein species of Libellulidae family are used as insects of Odonata order.

8. The antiviral substance of claim 5, wherein dragonflies of *Libellula* genus are used as insects of Libellulidae family.

9. The antiviral substance of claim 5, wherein dragonflies of *Soma-tochlora* genus are used as insects of Libellulidae family.

10. The antiviral substance of claim 1, wherein species of Mantoptera order are used as insects of Pterigota subclass.

11. The antiviral substance of claim 8, wherein soothsayers of *Iris* genus are used as insects of order Mantoptera.

12. The antiviral substance of claim 1, wherein species of Hemiptera order are used as insects of Pterigota subclass.

13. The antiviral substance of claim 10, wherein spittlebugs of *Aphrophora* genus are used as insects of order Hemiptera.

14. The antiviral substance of claim 1, wherein species of Mecoptera order are used as insects of Pterigota subclass.

15. The antiviral substance of claim 10, wherein scorpion flies of *Panorpa* genus are used as insects of order Mecoptera.

16. The antiviral substance of claim 1, wherein species of Hymenoptera order are used as insects of Pterigota subclass.

17. The antiviral substance of claim 10, wherein sawflies of *Panorpa* genus are used as insects of order Hymenoptera.

18. The antiviral substance of claim 1, wherein species of Coleoptera order are used as insects of Pterigota subclass.

19. The antiviral substance of claim 16, wherein species of Carabidae family are used as insects of Coleoptera order.

20. The antiviral substance of claim 17, wherein carabuses of *Pseudophonus* genus are used as insects of Carabidae family.

21. The antiviral substance of claim 1, wherein species of Diptera order are used as insects of Pterigota subclass.

22. The antiviral substance of claim 19, wherein species of Stratiomyidae family are used as insects of Diptera order.

23. The antiviral substance of claim 20, wherein soldier flies of *Stratiomys* genus are used as insects of Stratiomyidae family.

24. The antiviral substance of claim 1, wherein species of Lepidoptera order are used as insects of Pterigota subclass.

25. The antiviral substance of claim 22, wherein species of Noctuidae family are used as insects of Lepidoptera order.

26. The antiviral substance of claim 23, wherein noctuids of *Mamestra* genus are used as insects of Noctuidae family.

27. The antiviral substance of claim 23, wherein noctuids of *Diachrisia* genus are used as insects of Noctuidae family.

28. The antiviral substance of claim 23, wherein noctuids of *Axylia* genus are used as insects of Noctuidae family.

29. The antiviral substance of claim 22, wherein species of Geometridae family are used as insects of Lepidoptera order.

30. The antiviral substance of claim 27, wherein geometrids of *Operophtera* genus are used as insects of Geometridae family.

31. The antiviral substance of claim 22, wherein species of Lasiocampidae family are used as insects of Lepidoptera order.

32. The antiviral substance of claim 29, wherein silkmouths of *Dendrolimus* genus are used as insects of Lasiocampidae family.

33. The antiviral substance of claim 29, wherein silkmouths of *Lasiocampa* genus are used as insects of Lasiocampidae family.

34. The antiviral substance of claim 22, wherein species of Notodontidae family are used as insects of Lepidoptera order.

35. The antiviral substance of claim 32, wherein prominents of *Notodonta* genus are used as insects of Notodontidae family.

36. The antiviral substance of claim 22, wherein species of Sphingidae family are used as insects of Lepidoptera order.

37. The antiviral substance of claim 32, wherein sphinxes of *Sphinx* genus are used as insects of Sphingidae family.

38. The antiviral substance of claim 22, wherein species of Pyralidae family are used as insects of Lepidoptera order.

39. The antiviral substance of claim 36, wherein pyralids of *Ephestia* genus are used as insects of Pyralidae family.

40. The antiviral substance of claim 22, wherein species of Tortricidae family are used as insects of Lepidoptera order.

41. The antiviral substance of claim 36, wherein leaf tiers of *Tortrix* genus are used as insects of Tortricidae family.